

MARICOPA COUNTY INFLUENZA SUMMARY UPDATE

Week ending December 4, 2004 (Week 48)

Synopsis: During week 48 (November 28 – December 4, 2004), one laboratory-tested specimen was positive for influenza. The proportion of patient visits to Cigna Health Care Centers for influenza-like-illness (ILI) was 0.20%. The overall percentage of ER visits for ILI was 1.45%. The average daily percentage of students absent due to ILI was 1.08%, and the average daily percentage of students absent due to illness was 14.72%. Long-term care center surveillance indicated insignificant influenza activity*.

Laboratory Surveillance: During week 48, a total of one specimen tested positive for influenza. The untyped influenza B virus was identified by culture at the Arizona State Laboratory.

Pneumonia and Influenza (P&I) Mortality Surveillance: During week 48, the vital statistics office of Maricopa County reported that of all deaths, the percentage due to pneumonia or influenza was 6.4% in the City of Phoenix, 5.2% in Maricopa County less the City of Phoenix, and 5.5% for all of Maricopa County.

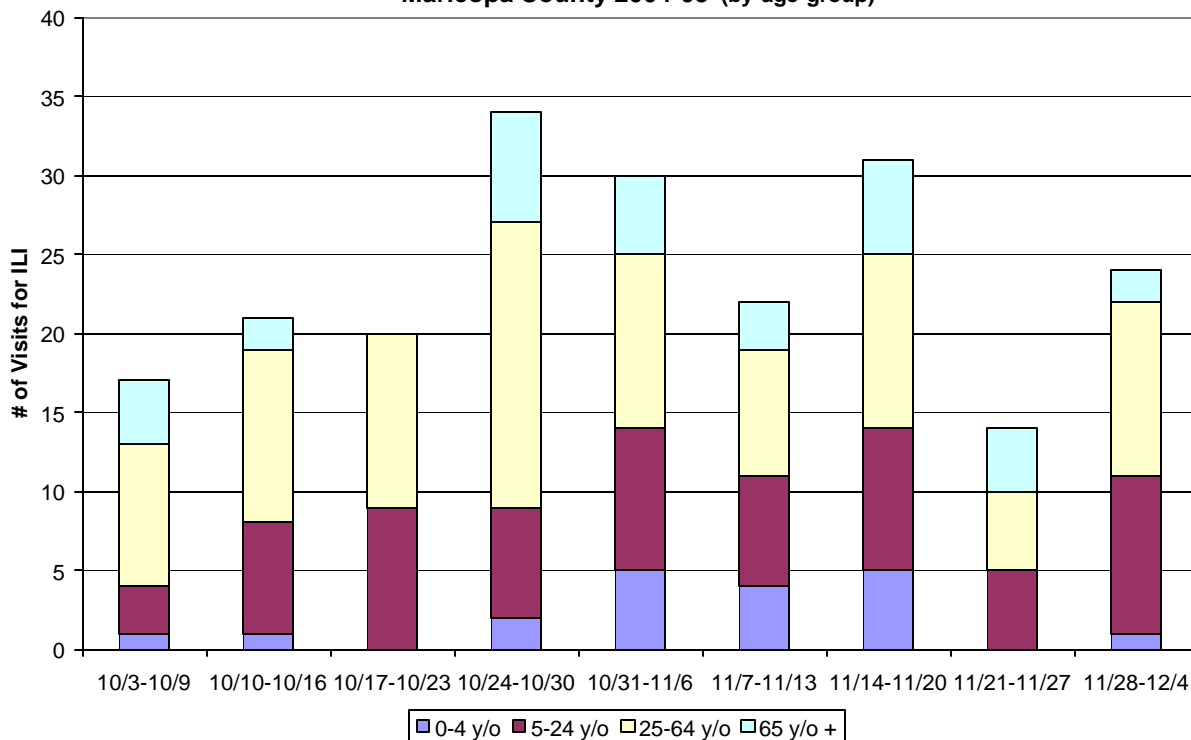
Influenza-like Illness Surveillance: During week 48, 0.20% of patient visits to Cigna Health Care facilities were due to ILI. The overall percentage of ER visits for ILI was 1.45%. The average daily percentage of students absent due to ILI was 1.08%, and the average daily percentage of students absent due to illness was 14.72%. Due to wide variability between national and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.

Week	% Visits for ILI
10/3-10/9	0.105
10/10-10/16	0.125
10/17-10/23	0.108
10/24-10/30	0.155
10/31-11/6	0.155
11/7-11/13	0.128
11/14-11/20	0.185
11/21-11/27	0.12
11/28-12/4	0.198

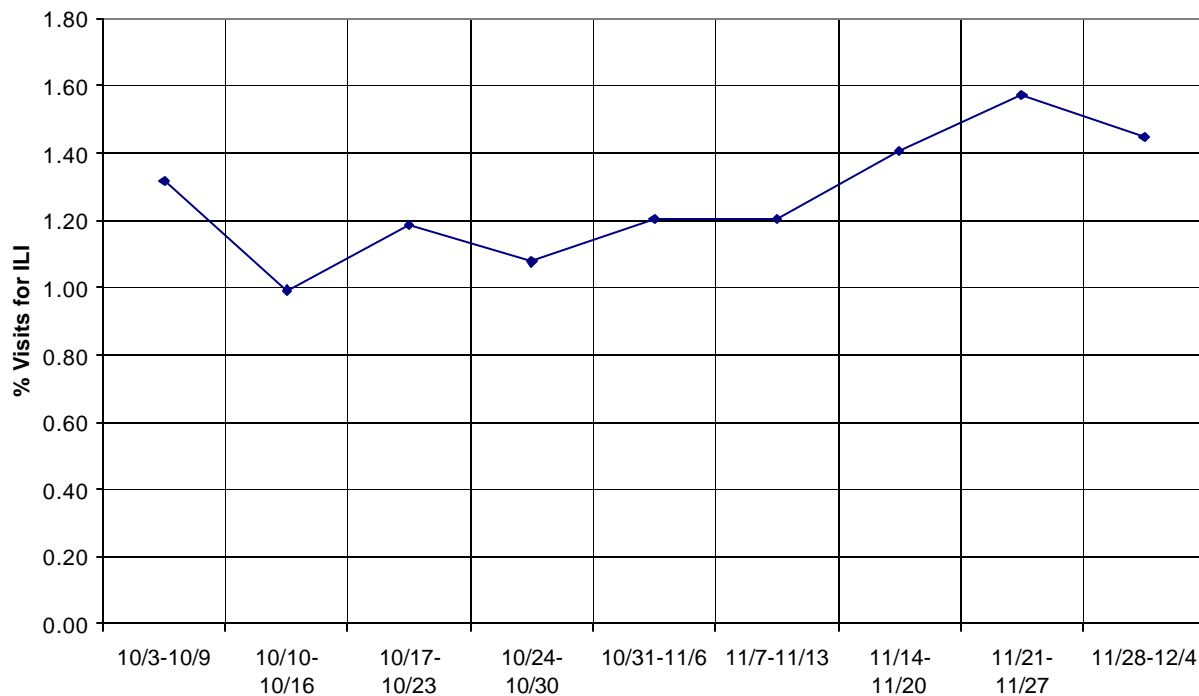
The graph displays the percentage of visits for Influenza-like Illness (ILI) across 16 Arizona counties over a period of 16 weeks. The Y-axis represents the percentage of visits, ranging from 0 to 4.5. The X-axis represents the weeks, starting from 10/3-10/9 and ending at 11/28-12/4. The data shows significant fluctuations in ILI visits across the different counties, with Tempe (olive line) showing the highest peaks, reaching over 4% in week 10/10-10/16 and 11/28-12/4. Other counties like Chandler, C.J. Harris, Clyde Wright, Deer Valley, Gilbert, North Valley, Paradise Valley, Paseo, Paseo AHC, Scottsdale, South Mountain, Stapley, Stapley AHC, Sun City, Sun City West, Super. Springs, The Pointe, and Westridge show lower, more fluctuating visit percentages.

Week	Chandler	C.J. Harris	Clyde Wright	Deer Valley	Gilbert	North Valley	Paradise Valley	Paseo	Paseo AHC	Scottsdale	South Mountain	Stapley	Stapley AHC	Sun City	Sun City West	Super. Springs	Tempe	The Pointe	Westridge
10/3-10/9	0.4	0.5	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.9	0.1	0.1
10/10-10/16	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	4.1	0.1	0.1
10/17-10/23	0.1	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	3.0	0.1	0.1
10/24-10/30	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.9	0.5	0.5
10/31-11/6	0.1	0.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3
11/7-11/13	0.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	1.5	0.1	0.1
11/14-11/20	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.8	0.8
11/21-11/27	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.1	0.1
11/28-12/4	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.1	0.1	0.1	0.1	0.1	0.1	3.3	0.8	0.8

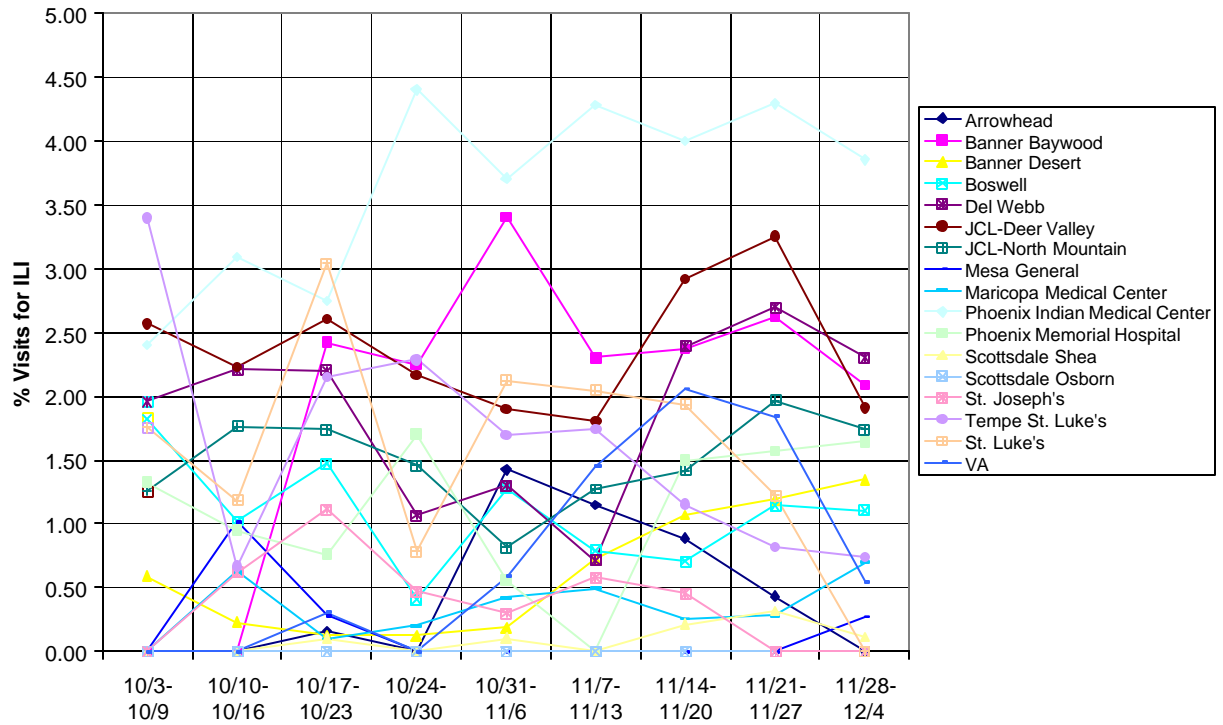
**Number of Visits to Cigna Facilities for Influenza-Like Illness,
Maricopa County 2004-05 (by age group)**



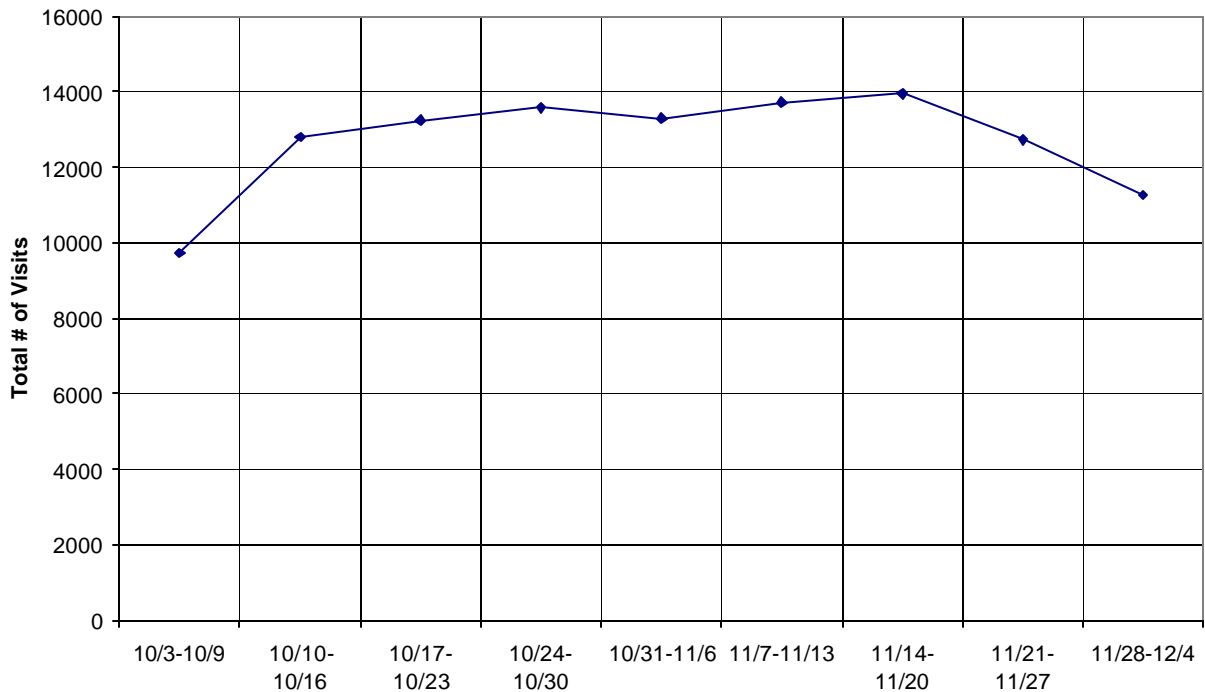
**Overall Percentage of Visits to ED for Influenza-like Illness,
Maricopa County 2004-05**



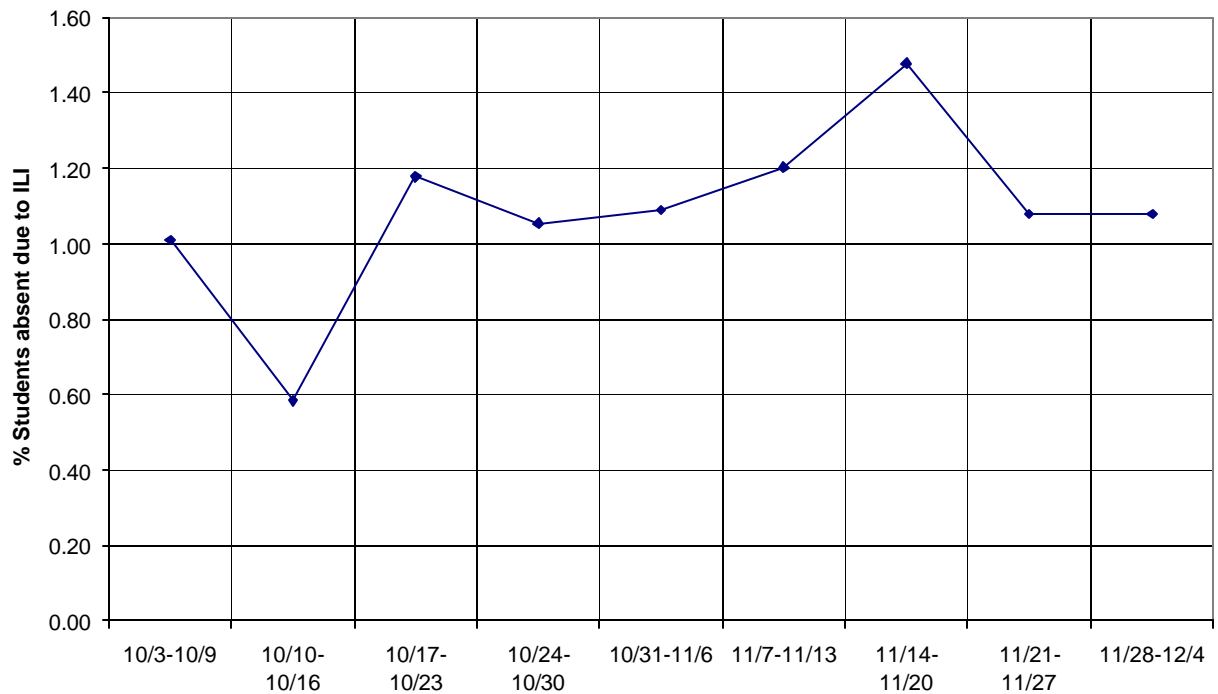
**Percentage of ED Visits for Influenza-like Illness,
Maricopa County 2004-05**



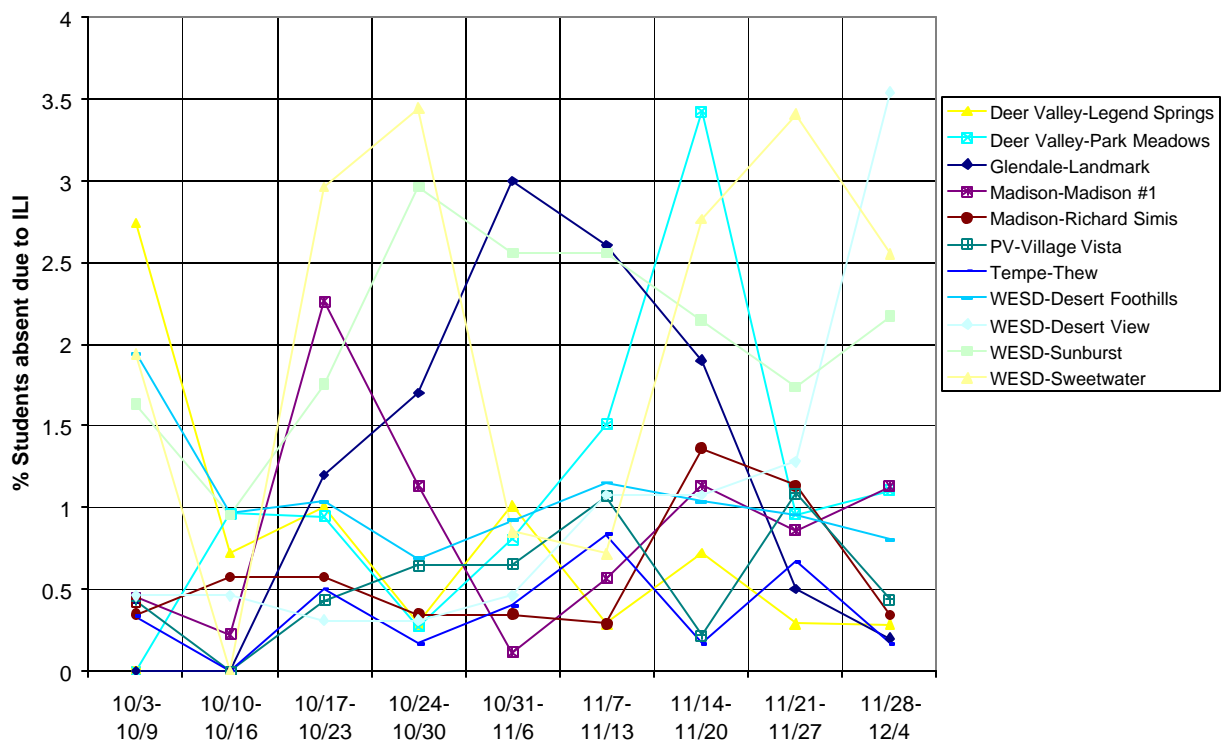
**Total Number of Visits to 17 Valley Emergency Departments,
Maricopa County Summary 2004-05**



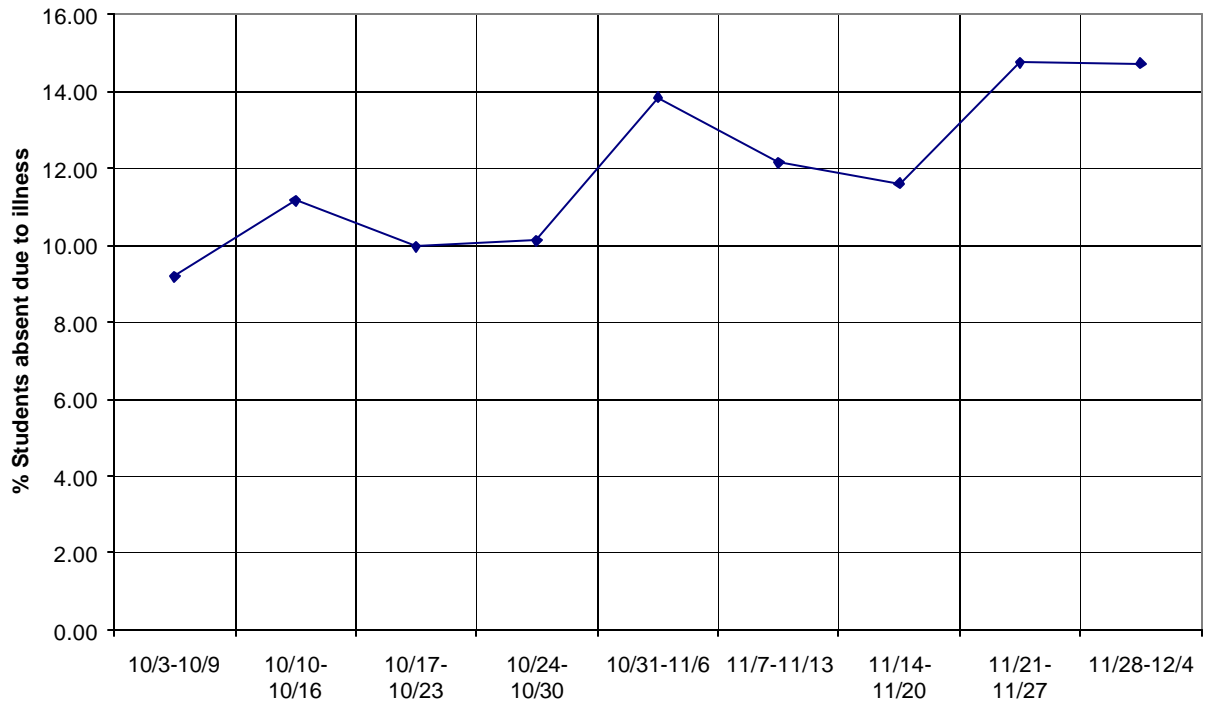
**Average Daily Percentage of Students Absent due to Influenza-like Illness,
Maricopa County Summary 2004-05**



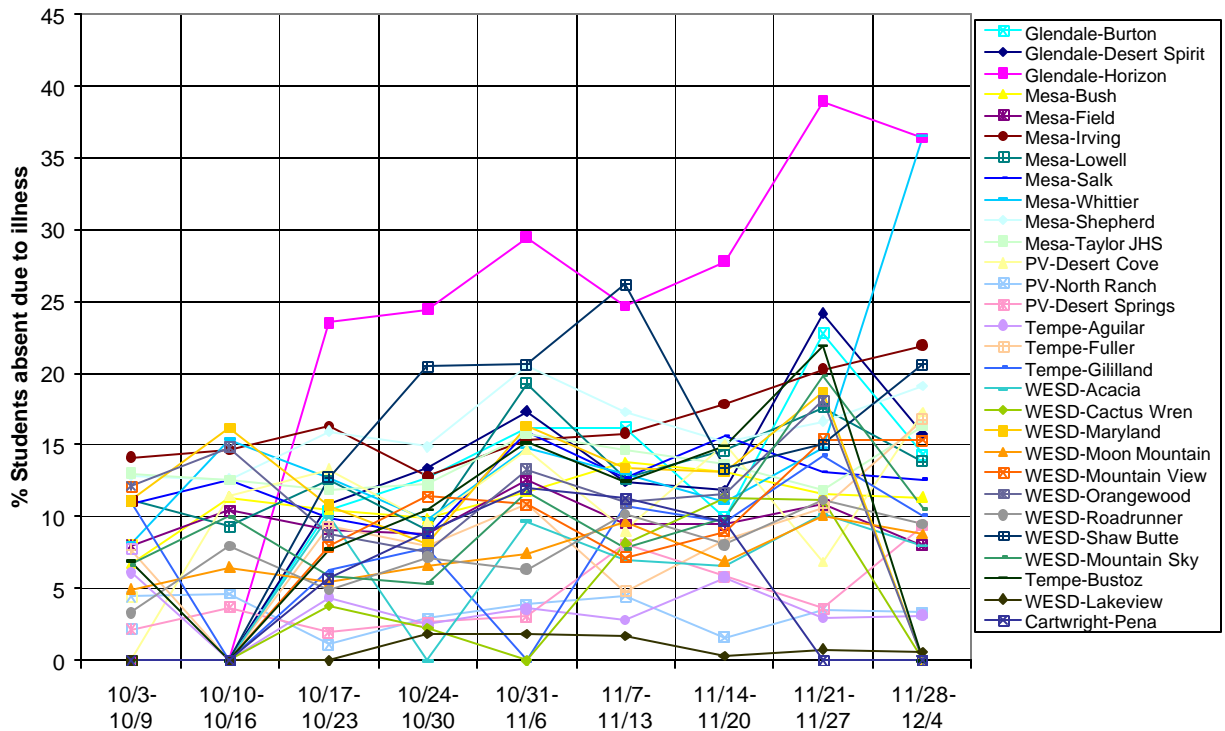
**Average Daily Percentage of Students Absent due to Influenza-like Illness,
Maricopa County Summary 2004-05**



**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2004-05**



**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2004-05**



Case definition for influenza-like illness (ILI):

Fever (at least 100 degrees F) AND cough and/or sore throat

Surveillance Sources:

Hospital Emergency Departments: Arrowhead Community Hospital & Medical Center, Banner Baywood Medical Center, Banner Desert Medical Center, Carl T. Hayden VA Medical Center, Del E. Webb Memorial Hospital, John C. Lincoln Hospital-Deer Valley, John C. Lincoln Hospital-North Mountain, Mesa General Hospital, Maricopa Medical Center, Phoenix Indian Medical Center, Phoenix Memorial Hospital, Scottsdale Healthcare Shea, Scottsdale Healthcare Osborn, St. Joseph's Hospital & Medical Center, Tempe St. Luke's Hospital, St. Luke's Hospital, Walter Boswell Memorial Hospital

Cigna Health Care Centers: Chandler, CJ Harris, Clyde Wright, Clyde Wright AHC, Deer Valley, Gilbert, North Valley, Paradise Valley, Paseo, Paseo AHC, Scottsdale, South Mountain, Stapley, Stapley AHC, Sun City, Sun City West, Superstition Springs, Tempe, The Pointe, Westridge

Long-term Care Centers: Arbor Rose Assisted Living, Christian Care Nursing Center, Sun Health Care Center, Westminster Village

Schools: *Cartwright:* Pena; *Deer Valley:* Legend Springs, Park Meadows; *Glendale:* Burton, Desert Spirit, Horizon, Landmark; *Madison:* Madison #1, Richard Simis; *Mesa:* Bush, Field, Irving, Lowell, Salk, Shepherd, Taylor JHS, Whittier; *Paradise Valley:* Desert Cove, Desert Springs, North Ranch, Village Vista; *Tempe:* Aguilar, Bustoz, Fuller, Gililand, Thew; *Washington:* Acacia, Cactus Wren, Desert Foothills, Desert View, Lakeview, Maryland, Moon Mountain, Mountain Sky, Mountain View, Orangewood, Roadrunner, Shaw Butte, Sunburst, Sweetwater

* Influenza activity is defined as influenza-like illness and/or culture-confirmed influenza.

Cigna participates in CDC's Influenza Sentinel Surveillance program

Report can be found online at: http://www.maricopa.gov/public_health/epi/flu.asp

Report prepared: December 10, 2004